

In the Specification:

Please replace the Brief Description of the Drawings with the following amended paragraphs:

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1A-1L show electrophoresis gels from RFLP analyses of BASB019.

Figures 2A-2D show consecutive segments of sequence alignment for four BASB019 polynucleotides, SEQ ID NOs: 1, 3, 5, and 7 BASB019 encoding polynucleotides.

Figures 3A-3B show consecutive segments of sequence alignment for four BASB019 polypeptides, SEQ ID NOs: 2, 4, 6, and 8.

Figure 4 shows an SDS-PAGE of BASB019 protein.

Figure 5 shows a Western-blot of BASB019 protein probed with tetra-His antibody.

Figure 6 shows a Western-blot of purified recombinant BASB019 protein probed with anti-recombinant protein sera at 1:200.

Figure 7 shows a Western-blot of whole cell lysates of 16 strains of *M. catarralis* using pooled sera against the recombinant BASB019 protein (Sera was diluted 1:2000).

Figure 8 shows a Western-blot of purified recombinant BASB019 probed with pooled human convalescent sera at 1:100.